

SEQUENCE LISTING



<110> Alleman, Arthur
Barbet, Anthony

<120> Polynucleotides and Polypeptides of Anaplasma Phagocytophilum And Methods of Using the Same

<130> UF-387

<160> 4

<170> PatentIn version 3.2

<210> 1
<211> 742
<212> DNA
<213> Anaplasma phagocytophilum

<220>
<221> misc_feature
<222> (29)..(250)
<223> Coding sequence of processed MSP5 polypeptide

<220>
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<222> (29)..(610)
<223> 5' and 3' ends of cloned MSP5 insert

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ccctacttct aaggcgaaat tcgaagctta cgtagaacaa aaactcatct cagaagagga 660
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<213> Anaplasma phagocytophilum

<400> 2

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Pro Ile Leu Ala Ser Phe Thr Asp Leu Ile Asn Gln Glu Gly Gln Val
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Phe Ser Ser Cys Lys His Ile Cys Pro Ala
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<213> Anaplasma phagocytophilum

<400> 3

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35 40 45

Ile Leu Ala Ser Phe Thr Asp Leu Ile Asn Gln Glu Gly Gln Val Val
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Ser Ser Thr Asp Phe Ala Gly Lys His Met Leu Leu Met Phe Gly Phe
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Ser Ser Cys Lys His Ile Cys Pro Ala
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<212> PRT
<213> Anaplasma phagocytophilum

<220>
<221> MISC_FEATURE
<222> (1)..(15)
<223> MSP5 signal peptide

<400> 4

Met Lys Thr Phe Lys Thr Val Ser Asn Leu Leu Leu Leu Val Ala
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